LDFT8
Installation Guide

■ Important Safety Instructions

This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

WARNING - Risk of fire or electric shock. LED Retrofit kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

WARNING – Risk of fire or electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings. and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

WARNING – To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lampholders.

NOTE – Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts. Instant-start ballasts can be identified by the words "Instant Start" or "I.S." marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamps with which the ballast is intended to be used, for example F40T12/IS. For more information, contact the LED luminaire retrofit kit manufacturer.

Installer should not disconnect existing wires from Lampholder terminals to make new connections at Lampholder terminals. Instead installers should cut existing Lampholder leads away from the Lampholder and make new electrical connections to Lampholder lead wires by employing applicable connectors.

THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.

This luminaire has been modified and can no longer operate the originally intended lamp.

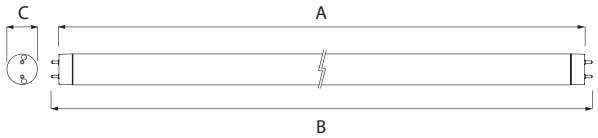
Intended for use with maximum 4 lamps in a recessed luminaire with or without diffuser. Intended for use with maximum 2 lamps in a surface mount luminaire with or without diffuser.

Suitable for damp locations
Do not use with dimmers
Suitable for use in enclosed luminaires
Double insulation ⧈

■ General

Operating Input Voltage	100 - 277 Vac, 50 - 60Hz
Power Factor	>0.9 (100 - 240 Vac) >0.87 (277Vac)
Color Temperature	3500K / 4000K / 5000K
Power Consumption	8W (LDFT8Z8) 16W (LDFT8Z16)
Operating Temperature	-20 to 45˚C
Storage Temperature	-40 to 80˚C
Operating Humidity	>90% (RH)
Cap Base	G13

■ Specification (Outline Drawing)



Tube Length	Dim A (Max)	Dim B	Dim C
2FT	589mm	603mm	27mm
4FT	1199mm	1213mm	27mm

Package Details

1. 10 PCS LED Lamp Tubes.
2. 1 PCS User Manual.
3. 10 PCS Lamp Replacement Marking Label. Please apply the following lamp replacement label on the retrofit luminaire after the retrofit kit has been installed, where readily visible by the user during re-lamping and after installation.
4. 10 PCS Cautionary Label.

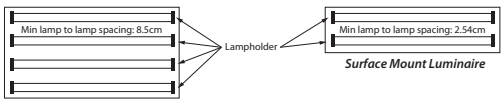
This luminaire has been modified and can no longer operate the originally intended lamp.

Replace with Ohyama Lights LLC,
Model [LDFT8Z8/LDFT8Z16].
Tel: +262-925-6505,
Email: info@ohyamalights.com
http://www.ohyamalights.com

Installation or Assembly Instructions

Step 1: Turn off the power to the light fixture at the main service panel.

Step 2: Remove the diffuser (if any) and fluorescent tube.



Step 3: Check the wires of the light fixture before installation of the LED retrofit kit.

a. If the light fixture is providing with magnetic ballast and starter, disconnect and rewiring the wires at the point as shown in the following figures (see Figure 1 to Figure 2)

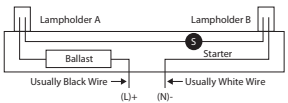


Figure 1: Before retrofit.

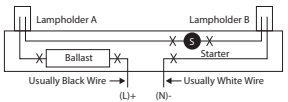


Figure 2: Under retrofit - Cut the wires connected to the ballast and starter, and Lampholders as shown. [ ] Remove the ballast and starter.

b. If the light fixture is providing with electronic ballast, disconnect and rewiring the wires at the point as shown in the following figures (see Figure 3 to Figure 4).

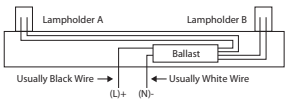


Figure 3: Before retrofit.

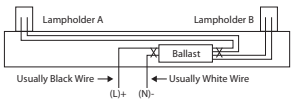


Figure 4: After removing the ballast and starter (if provided), the light fixture will be seen as below (see Figure 5).

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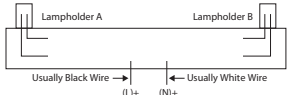


Figure 5

FOR LED RETROFIT KIT WHICH BOTH LINE AND NEUTRAL POWER ARE CONNECTED TO THE SAME LAMPHOLDER.

Step 5: Both line and neutral power are required to be connected to the same Lampholder as shown in Figure 6

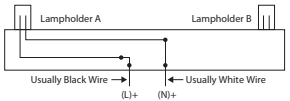


Figure 6: After retrofit – Rewiring the wires from Lampholder A to "L" and "N" of the supply circuit by wire nuts / connectors. Insulated or capped all unused conductors with a wire connectors.

Step 6: For light fixture with maximum 4 lamps, simply connect all the positive leads from each Lampholders to the line side (L) of the supply circuit and connect all negative leads from each Lampholders to the neutral side (N) of the supply circuit. See Figure 7 for connection details.

Figure 7

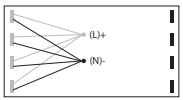
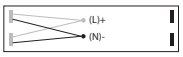


Figure 8



Step 7: Check the wire connectors carefully which shall not be loosened. Be sure that the splices or connections should be insulated reliably, and they should be in the enclosed splice compartment.

Step 8: Identify one side of the Lampholder which connected to the supply circuit as the "LIVE END" and mark for future reference.

Step 9: Install the LED Lamp Tube to light fixture matching the power side (the side marked with "L" and "N") of the lamp to the "LIVE END" side of the light fixture.

Step 10: Turn on the light fixture. If the light fixture is not working, turn off the power at the main service panel and check the wiring connections.

Step 11: After modification completed, attach the Lamping Replacement Marking Label and Cautionary Label which provided with the retrofit kit package to the light fixture. The labels shall be visible during relamping, and after installation.